



PATENT

IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE

Applicants: Flora Tak Tak Ng et al.	)	I hereby certify that this paper is being
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Serial No.: 10/582,333	)	Service with sufficient postage as first
	)	class mail in an envelope addressed to
Filed (I.A.): December 10, 2004	)	Mail Stop Amendment, Commissioner for
	)	Patents, PO Box 1450, Alexandria,
Title: COMPOSITE CATALYST FOR	)	Virginia 22313-1450, on <b>November 20,</b>
THE SELECTIVE	)	<b>2006.</b>
OLIGOMERIZATION OF	)	
LOWER ALKENES AND THE	)	
PRODUCTION OF HIGH	)	
OCTANE PRODUCTS	)	
	)	
Group Art Unit: Not Yet Assigned	)	
	)	
Examiner: Not Yet Assigned	)	Sandip H. Patel (Reg. No. 43,848)
	)	Attorney for Applicants
Attorney Docket No.: 28870/38753	)	

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 CFR §§ 1.56 and 1.97(b)(3), submitted herewith for consideration by the examiner are copies of the non-U.S. patent publications identified on the accompanying PTO/SB/08, which may be considered material to the examination of the above-identified patent application. It is respectfully requested that the information be expressly considered during the prosecution of the application, and that the identified documents be made of record therein and appear among those cited on the cover page of any patent issuing therefrom.

This information disclosure statement is being submitted before the mailing date of a first office action on the merits as far as known to the undersigned. Accordingly no certification or fee is due

Ng et al. U.S. Serial No. 10/582,333  
Information Disclosure Statement  
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An early and favorable action on the merits is respectfully requested.

Respectfully submitted,

MARSHALL, GERSTEIN & BORUN LLP

November 20, 2006



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Receipt date: 11/22/2006

10582333 - GAU: 1793

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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of

2

**Complete if Known**

Application Number	10/582,333
Filing Date	December 10, 2004
First Named Inventor	Flora Tak Tak Ng
Art Unit	
Examiner Name	
Attorney Docket Number	28870/38753

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYY	Name of Patentee or Applicant of Cited Document	Page, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind code <sup>2</sup> (if known)			
/X.W./	A1	US-1,400,849		Backhaus	
	A2	US-4,194,964			
	A3	US-4,215,011	09-29-1980	Smith, Jr.	
	A4	US-4,232,177	11-04-1980	Smith	
	A5	US-4,250,052	02-10-1981	Smith, Jr.	
	A6	US-4,302,356	11-24-1981	Smith, Jr.	
	A7	US-4,439,350	03-27-1984	Jones, Jr.	
	A8	US-4,443,559	04-17-1984	Smith, Jr.	
	A9	US-4,476,341		Mathys, et al	
	A10	US-4,935,577		Huss & Kennedy	
	A11	US-5,003,124	05-26-1991	Smith Jr., et al.	
	A12	US-5,057,468	10-15-1991	Adams J.	
	A13	US-5,118,900	06-02-1992	Drake	
	A14	US-5,189,001	02-23-1993	Johnson	
	A15	US-5,235,102	08-10-1993	Palmer, et al.	Col. 2, ln 9-67; col 3 ln 35-col 4, ln 15; col 5, ln 2-11
	A16	US-5,244,929	09-14-1993	Gottlieb, et al.	
	A17	US-5,254,783	10-19-1993	Saleh et al	
	A18	US-5,262,012	11-16-1993	Smith, Jr.	
	A19	US-5,266,546		Hearn	
	A20	US-5,348,710	09-20-1994	Johnson et al.	
	A21	US-5,417,938		Shelden	
	A22	US-5,431,890		Crossland, et al.	
	A23	US-5,457,268	10-10-1995	Greene, et al.	Col. 3, line 35 - Col. 4, Line 19
	A24	US-5,510,555	04-23-1996	Brunelli et al	
	A25	US-5,622,997	04-22-1997	Tennison et al	
	A26	US-5,730,843	03-24-1998	Groten et al	
	A27	US-5,877,363	03-02-1999	Gildert et al	
	A28	US-5,942,456	08-24-1999	Crossland et al	
	A29	US-6,025,533	02-15-2000	Vora et al	
	A30	US-6,117,812	09-12-2000	Gao et al	
	A31	US-6,242,661			
	A32	US-6,274,783 B1	09-14-2001	Gary R. Gildert, Mitchell E.	
	A33	US-6,291,719 B1	09-18-2001	Gao, et al	
	A34	US-2001/0006154	06-05-2001	Krug, et al	

Examiner  
Signature

/Xiaobei Wang/

Date  
Considered

03/18/2009

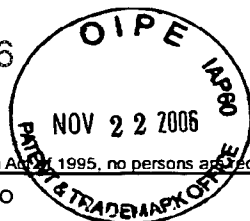
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Sheet 2 of 2

## FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
/X.W./	B1	WO 02/092216	11-21-2002	Harkins, et al.		<input type="checkbox"/>
/X.W./	B2	GB 2 193 907 A	02-24-1988			<input type="checkbox"/>

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages), volume-issue number(s), publisher, city and /or country where published.	T <sup>2</sup>
/X.W./	C1	BELTRAME <i>et al.</i> , (1994) <i>Appl. Catal., A: general</i> , 100, 39-48	<input type="checkbox"/>
/X.W./	C2	HEVELING <i>et al.</i> , (2003) "Activity and selectivity of nickel-exchanged silica-alumina catalysts for the oligomerization of propene and 1-butene into distillate-range products"; <i>Applied Catalysis A: General</i> 248 p. 239-248	<input type="checkbox"/>
/X.W./	C3	KEIM <i>et al.</i> , (1979) <i>Mol. Catal.</i> , 6, 79	<input type="checkbox"/>
/X.W./	C4	KISTER & LARSON (1997) "Packed Distillation Tower Design", <i>McGraw-Hill</i> , Section 1.6, p.314-333	<input type="checkbox"/>
/X.W./	C5	MARCEL DEKKER INC. (ed. A Cybulski & J. Moulijn) (1998) "Structured Catalysts and Reactors"	<input type="checkbox"/>
/X.W./	C6	RALPH F. STRIGLE, JR. (1987) "Random Packings and Packed Towers Design and Applications", <i>Gulf Publishing Company, Houston Texas. P. 1-10</i>	<input type="checkbox"/>

Examiner Signature	/Xiaobei Wang/	Date Considered	03/18/2009
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a checkmark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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